

LITTLE COLORADO RIVER BASIN

65

09401110 DINNEBITO WASH NEAR SAND SPRINGS, AZ

LOCATION--Lat 35°46'52", long 110°55'57", in SW_{1/4}SE_{1/4}SE_{1/4} sec. 34, T.28 N., R.13 E., Navajo County, Hydrologic Unit 15020017, on the right bank, about 15 mi west of Old Oraibi.

DRAINAGE AREA--473 mi².

PERIOD OF RECORD--June 1993 to current year.

GAGE--Water-stage recorder. Elevation of gage is 5,160 ft above sea level, from topographic map.

REMARKS--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 3,970 ft³/s, Sept. 20, 2004, gage height 16.20 ft, from floodmark, minimum daily discharge, 0.05 ft³/s, Aug. 16, 23, and Oct. 1–6, 2002.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	Dec. 30.....	0500	*1,260	*8.94 a
	Aug. 6	0300	1,050	8.27
	Aug. 10	1100	668	7.06

Minimum daily discharge, 0.09 ft³/s, July 28.

a-from floodmark

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e39	0.35	0.42	6.2	0.56	0.45	0.34	0.29	0.20	0.14	0.11	0.17
2	e3.0	0.36	0.37	1.7	0.43	0.44	0.34	0.28	0.18	0.13	0.11	0.17
3	e0.50	0.40	0.38	3.8	0.41	0.58	0.33	0.27	0.19	0.12	15	0.18
4	e0.40	0.40	0.34	28	0.42	0.45	0.31	0.27	0.20	0.13	46	7.5
5	e0.40	0.40	0.54	17	e0.40	0.47	0.31	0.25	0.19	0.12	26	1.3
6	e0.40	0.41	0.55	3.5	e0.40	0.45	0.32	0.25	0.18	0.12	181	0.26
7	e0.40	0.49	0.50	0.85	e0.50	0.43	0.31	0.27	0.16	0.12	35	0.20
8	e0.40	0.77	0.54	0.74	e0.40	0.40	0.28	0.26	0.15	0.12	17	0.20
9	e0.40	0.46	0.51	0.60	0.41	0.40	0.44	0.66	0.21	0.12	44	0.19
10	e0.40	0.44	0.49	0.62	0.44	0.39	0.50	0.28	0.26	0.12	126	0.16
11	e0.40	0.44	0.49	142	0.74	0.39	0.34	0.29	0.29	0.11	27	0.15
12	e0.40	0.44	0.49	74	1.4	0.37	0.34	0.22	0.30	0.11	39	0.15
13	e0.40	0.38	0.52	17	30	0.36	0.33	0.22	0.19	0.11	12	0.16
14	0.38	0.30	0.51	2.6	13	0.45	0.33	0.42	0.18	0.11	2.4	0.16
15	0.41	0.30	0.50	0.84	4.0	0.37	0.33	0.29	0.18	0.11	0.37	0.16
16	0.40	0.31	0.47	0.55	1.3	0.38	0.32	0.26	0.15	0.11	25	0.15
17	0.38	0.31	0.45	0.50	0.53	0.39	0.31	0.26	0.15	0.11	13	0.16
18	0.37	0.66	0.45	e0.50	0.63	0.38	0.29	0.26	0.14	0.10	7.7	0.16
19	0.38	1.0	0.44	e0.50	1.3	0.42	0.27	0.27	0.14	0.10	1.9	0.16
20	0.37	0.55	0.46	0.50	0.53	0.42	0.28	0.26	0.15	0.10	0.31	0.17
21	0.38	3.7	0.48	0.50	0.48	0.40	0.27	0.25	0.15	0.10	0.26	0.18
22	0.50	16	0.40	0.47	0.50	0.39	0.29	0.24	0.16	0.10	0.24	0.17
23	0.40	1.1	0.34	0.46	0.47	0.37	0.30	0.23	0.17	0.11	0.24	0.16
24	0.40	0.48	0.32	0.69	0.59	0.40	2.2	0.22	0.18	0.11	0.23	0.15
25	0.39	0.45	0.37	0.51	0.52	0.46	0.41	0.22	0.15	0.12	0.23	0.16
26	0.38	0.44	0.39	0.59	0.39	0.36	0.35	0.22	0.13	0.12	0.22	0.16
27	0.38	0.41	0.43	0.57	0.50	0.37	0.34	0.23	0.12	0.11	0.21	0.17
28	0.89	0.31	0.53	0.46	e0.44	0.37	0.33	0.25	0.12	0.09	0.20	0.17
29	0.51	0.28	23	0.48	---	0.35	0.45	0.24	0.13	0.12	0.20	0.17
30	0.42	0.52	e294	0.57	---	0.45	0.30	0.20	0.14	0.11	0.19	0.17
31	0.42	---	19	0.52	---	0.32	---	0.20	---	0.10	0.17	---
TOTAL	54.26	32.86	348.68	307.82	61.69	12.63	11.86	8.33	5.24	3.50	621.29	13.57
MEAN	1.75	1.10	11.2	9.93	2.20	0.41	0.40	0.27	0.17	0.11	20.0	0.45
MAX	39	16	294	142	30	0.58	2.2	0.66	0.30	0.14	181	7.5
MIN	0.37	0.28	0.32	0.46	0.39	0.32	0.27	0.20	0.12	0.09	0.11	0.15
MED	0.40	0.44	0.48	0.60	0.50	0.40	0.33	0.26	0.17	0.11	1.9	0.17
AC-FT	108	65	692	611	122	25	24	17	10	6.9	1230	27
CFSM	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

(WY)	1998	2004	2005	2005	2005	1994	1994	1999	1999	2001	2004
MEAN	4.86	0.89	1.29	1.22	0.56	0.73	0.37	0.29	0.31	4.33	11.9
MAX	19.2	5.26	11.2	9.93	2.20	2.69	0.50	0.44	0.98	13.8	36.8
MIN	0.37	0.28	0.32	0.46	0.39	0.32	0.27	0.20	0.12	0.09	0.11
(WY)	2003	2003	2002	2002	2002	2003	2003	2004	2003	2005	1994

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1993 - 2005
ANNUAL TOTAL	3379.48	1481.73	
ANNUAL MEAN	9.23	4.06	3.65
HIGHEST ANNUAL MEAN			9.99
LOWEST ANNUAL MEAN			0.45
HIGHEST DAILY MEAN	783	Sep 20	783
LOWEST DAILY MEAN	0.08	Jul 31	0.05
ANNUAL SEVEN-DAY MINIMUM	0.09	Sep 8	0.05
ANNUAL RUNOFF (AC-FT)	6700	2940	2650
ANNUAL RUNOFF (CFSM)	0.020	0.009	0.008
10 PERCENT EXCEEDS	3.7	2.0	0.68
50 PERCENT EXCEEDS	0.35	0.38	0.34
90 PERCENT EXCEEDS	0.10	0.14	0.15

e Estimated